

CHEVY CHASE VILLAGE
BOARD OF MANAGERS
NOVEMBER 14, 2011 MEETING

STAFF REPORT

TO: BOARD OF MANAGERS
FROM: SHANA R. DAVIS-COOK, VILLAGE MANAGER 
DATE: 11/10/2011
SUBJECT: PURCHASE AUTHORIZATION AND SUPPLEMENTAL APPROPRIATION REQUEST
—POLICE RADIOS

At the Board's Meeting on September 12, 2011, Board Liaison Gary Crockett presented information he had researched regarding the Village's required purchase of new radios for the police and communications departments. Mr. Crockett explained that the Village must purchase these radios due to the Federal Communications Commission's decision to reallocate radio spectrum to provide more capacity for cell phone service and to encourage consolidation of emergency service (ambulance/fire/police) communications.

At that time, staff recommended the purchase of 12 portable radios, one each for our ten sworn officers, and one each for the Communications Center and Director of Municipal Operations (who serves as the Village's Emergency Manager). The estimated cost for these twelve radios was \$63,325. With only \$50,000 allocated in the FY2012 budget for this expenditure, the Board approved a supplemental appropriation in the amount of \$13,325 from *SafeSpeed* Program reserves; however, the purchase authorization was deferred pending a review by the incoming Police Chief. Chief Fitzgerald has thoroughly reviewed the matter, and his recommendation immediately follows this staff report.

Pursuant to Chief Fitzgerald's recommendation, and the feedback provided by members of the Board (as detailed in Chief Fitzgerald's attached memo), a supplemental appropriation in the amount of \$26,364 is required for the purchase of the seventeen radios: twelve portable (as described above) and five mobile units. **The total outlay for this equipment is \$89,689¹.**

Action Requested

1. Supplemental appropriation from *SafeSpeed* Program reserves in the amount of \$26,364 for the purchase of police radios and related accessories from *Motorola Solutions, Inc.*
2. Authorize the Village Manager to purchase no more than twelve encrypted portable radio units, five encrypted mobile radio units and related accessories from *Motorola Solutions, Inc.* in the amount of \$89,689.

Attachments

Memorandum from Police Chief John Fitzgerald
Proposal from *Motorola Solutions, Inc.*
CIP Expenditure Detail Sheet

¹ Approximately \$5,762.65 of the purchase cost will be reimbursed to the Village through a grant from the Urban Area Security Initiative (UASI), which is administered through the Federal Emergency Management Agency (FEMA).



POLICE DEPARTMENT

5906 Connecticut Avenue, Chevy Chase, Maryland 20815
(301) 654-7300 FAX: (301) 654-7304
chevychasevillagemd.gov



John Fitzgerald
Chief of Police

Memo

To: Shana Davis-Cook, Village Manager
From: John Fitzgerald, Chief of Police *JMF*
CC: Board of Managers
Demetri Protos, Finance Director
Michael Younes, Director of Municipal Operations
Date: November 10, 2011
Re: Replacement of Police Radios

Quick summary:

- I recommend that the Village purchase 12 new portable police radios during the current FY.
 - The Board Chair has decided to ask the full Board to revisit the question of whether or not to purchase fixed radios for the 4 marked police cars in the Village fleet.
-

As a direct result of the nationwide re-banding of public safety radio networks, the Chevy Chase Village Police Department's (CCVPD) radios will be rendered obsolete within two to three years. The Montgomery County Police Department has already begun purchasing new portable (handheld) radios for each officer and mobile (in-car) radios for every car, and the Village has astutely decided to make its police radio purchase now in order to take advantage of the same favorable pricing (20% discount) that the vendor has given to Montgomery County. The larger radio purchase question is best subdivided into two parts: portable radios and mobile radios.

Portable Radios

Earlier this year, the Board of Managers (Board) preliminarily decided to purchase only portable radios and to forgo buying mobile radios to cut costs. The Board set aside approximately \$63,000—sufficient funds to buy 12 portable radios—pending a final decision on the matter. As I understand it, there was unanimous agreement of the Board to purchase new portable radios during FY12, however there was not consensus on how many portable radios we should buy. The debate centered on whether sufficient radios should be purchased so that every police officer would be issued an individual portable radio (“one-for-one” deployment), or whether a reduced number of radios should be purchased, which would require officers to share the radios (“shared” deployment).

Currently, our portable radios are issued one-for-one. I strongly recommend that we purchase sufficient radios to support the one-for-one deployment for the following reasons:

➤ **Upstaffing.**

Every public safety agency must plan for events and emergencies which would require an increased number of staff to be called in to respond to the event. We would have to purchase sufficient portable radios to ensure that we could equip officers who respond to events requiring upstaffing.

➤ **Relatively small savings for the risk.**

When upstaffing is factored in, at best, a shared deployment would result in buying 3 or 4 fewer portable radios at a savings of \$15,800-\$21,100. Effective communication is, without question, the most important factor in successfully resolving any emergency—whether natural or man-made. I am uncomfortable recommending any radio purchase that builds in an increased risk communication problems when public safety is at risk.

➤ **Accountability and the human factor.**

Shared equipment results in shared (and diluted) responsibility for the equipment. In my experience, sharing such equipment increases the likelihood of loss, reduces individual accountability for the maintenance of the equipment, and typically results in harsher treatment and a shorter lifespan of the item.

Additionally, in a shared deployment, I can foresee several realistic scenarios which would make things much more difficult operationally:

- An officer inadvertently takes a radio home overnight.
- An officer uses a radio all day long and hands it over to the oncoming relief officer, but the battery is dead.
- An officer takes a portable radio to a practical training scenario (as required for effective training).
- An officer is held over at the jail/at court/at a crime scene and cannot give up her/his radio to the oncoming officer.

➤ **Mutual aid interoperability and a more effective response in a true emergency.**

The digital technology in these portable radios mean that they are programmable such that a police officer can talk to virtually any police or fire/rescue agency in the National Capital Region (NCR). If the NCR experienced a true large-scale emergency, public safety personnel would be called in to work on short notice throughout the region. If our officers were needed in such a scenario, it would be extremely important for them to respond from home while simultaneously listening to—and potentially talking to—the police or fire personnel in the field in real time. While the likelihood of this scenario occurring is obviously low, the need for immediate and effective communication would be at its peak if such an event would occur.

Mobile Radios

On October 31, 2011, I discussed the radio purchase options with three members of the Board. As a result of that discussion, the Chair of the Board decided to ask the full Board to review the preliminary decision regarding the purchase of mobile (in-car radios).

**MOTOROLA**

Quote Number: QU0000164842

Effective: 27 OCT 2011

Effective To: 23 JAN 2012

Bill-To:CHEVY CHASE VILLAGE
5906 CONNECTICUT AVE
CHEVY CHASE, MD 20815
United States**Ultimate Destination:**CHEVY CHASE VILLAGE
5906 CONNECTICUT AVE
CHEVY CHASE, MD 20815
United States**Attention:****Name:** Sgt. Adventino Dasilva
Email: Tino.dasilva@montgomerycountymd.gov
Phone: (301) 654-7300**Sales Contact:****Name:** Michael Janson
Email: mike.janson@teltronic.com
Phone: 3015753970**Request For Quote:** Chevy Chase PD PE
Contract Number: MARYLAND CONVENIENCE
Freight terms: FOB Destination
Payment terms: Net 30 Due

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
1	12	H98UCH9PW7AN	APX6000 700/800 MODEL 3 PORTABLE	\$2,600.00	\$2,080.00	\$24,960.00
1a	12	H38BT	ADD: SMARTZONE OPERATION	\$1,200.00	\$960.00	\$11,520.00
1b	12	Q361AR	ADD: P25 9600 BAUD TRUNKING	\$300.00	\$240.00	\$2,880.00
1c	12	QA00580AC	ADD: TDMA OPERATION	\$400.00	\$320.00	\$3,840.00
1d	12	Q806BM	ADD: ASTRO DIGITAL CAI OPERATION	\$515.00	\$412.00	\$4,944.00
1e	12	H869BZ	ENH: MULTIKEY	\$330.00	\$264.00	\$3,168.00
1f	12	Q15AK	ENH: AES/DES,DES-XL,DES-OFB	\$799.00	\$439.20	\$5,270.40
1g	12	QA01749AB	ADD: ADVANCED SYSTEM KEY - SOFTWARE KEY	-	-	-
1h	12	QA00582AB	ALT: LITHIUM ION 4000MAH IMPRES FM	\$165.00	\$104.00	\$1,248.00
1i	12	QA01771AB	ENH: ENHANCEMENT LEVEL 2	\$200.00	\$160.00	\$1,920.00
2	11	NNTN7038A	BATT IMP STD IP67 LIION 2900M 3100T	\$140.00	\$107.80	\$1,185.80
3	11	PMMN4062A	PLUS RSM NC IP54 3.5MM JACK RX	\$107.00	\$82.39	\$906.29
4	12	NNTN7080A	APX 7000 IMPRES SINGLE UNIT CHARGER US/NA/CA/LA	\$125.00	\$96.25	\$1,155.00
5	10	NTN9179A	HI ACTI SWIVEL D CLIP & BL	\$42.00	\$32.34	\$323.40

Total Quote in USD**\$63,320.89**

* This quote contains items with approved price exceptions applied against it

Make Purchase Order out to: Motorola Inc. Mike Janson MR0220
7031 Columbia Gateway Drive
Columbia, Maryland 21046

Freight terms are FOB Destination; Title and Risk of Loss pass upon delivery. Invoice terms are Net 30; upon delivery

Quotes are exclusive of all installation and programming charges(unless expressly stated) and all applicable taxes.

Purchaser will not be responsible for shipping costs.

Ordered equipment may be returned for a full refund, less a 20% restocking fee, if the equipment is returned unused and undamaged in its original packaging within 45 days after shipment.

Prices quoted are valid for thirty(30) days from the date of this quote.

Motorola's standard equipment warranty(which will be furnished upon request) applies to all ordered equipment.

MOTOROLA DISCLAIMS ALL OTHER WARRANTIES WITH RESPECT TO THE ORDERED PRODUCTS, EXPRESS OR IMPLIED INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

MOTOROLA'S TOTAL LIABILITY ARISING FROM THE ORDERED PRODUCTS WILL BE LIMITED TO THE PURCHASE PRICE OF THE PRODUCTS WITH RESPECT TO WHICH LOSSES OR DAMAGES ARE CLAIMED.

IN NO EVENT WILL MOTOROLA BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

These terms will prevail over any inconsistent or additional terms on any purchase order submitted by the purchaser.

Pricing is based upon Prince George's County, Maryland (ARO No. C-0891-06) discount levels.
Teltronic Service Provider Vendor Site Code 0219680

Pricing per the Montgomery County Contract # 0344000335-AA

THIS QUOTE IS BASED ON THE FOLLOWING:

1 This quotation is provided to you for information purposes only and is not intended to be an offer or a binding proposal.

If you wish to purchase the quoted products, Motorola Solutions, Inc. ("Motorola") will be pleased to provide you with our standard terms and conditions of sale (which will include the capitalized provisions below), or alternatively, receive your purchase order which will be acknowledged.

Thank you for your consideration of Motorola products.

2 Quotes are exclusive of all installation and programming charges (unless expressly stated) and all applicable taxes.

3 Purchaser will be responsible for shipping costs, which will be added to the invoice.

4 Prices quoted are valid for thirty(30) days from the date of this quote.

5 Unless otherwise stated, payment will be due within thirty days after invoice. Invoicing will occur concurrently with shipping.

MOTOROLA DISCLAIMS ALL OTHER WARRANTIES WITH RESPECT TO THE ORDERED PRODUCTS, EXPRESS OR IMPLIED INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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**MOTOROLA**

Quote Number: QU0000166347

Effective: 10 NOV 2011

Effective To: 09 JAN 2012

Bill-To:

CHEVY CHASE VILLAGE
5906 CONNECTICUT AVE
CHEVY CHASE, MD 20815
United States

Ultimate Destination:

CHEVY CHASE VILLAGE
5906 CONNECTICUT AVE
CHEVY CHASE, MD 20815
United States

Attention:

Name: Tino Dasilva
Email: Tino.Dasilva@montgomerycountymd.gov
Phone: 240-925-0824

Sales Contact:

Name: Michael Janson
Email: mike.janson@teltronic.com
Phone: 3015753970

Request For Quote: ChevyChase PD Mobiles Base Station**Contract Number:** MARYLAND CONVENIENCE**Freight terms:** FOB Destination**Payment terms:** Net 30 Due

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
1	4	M25URS9PW1AN	APX6500 7/800 MHZ MID POWER MOBILE	\$1,899.00	\$1,519.20	\$6,076.80
1a	4	W22BA	ADD: PALM MICROPHONE	\$72.00	\$57.60	\$230.40
1b	4	G67BC	ADD: REMOTE MOUNT MID POWER	\$297.00	\$237.60	\$950.40
1c	4	G806BE	ENH: ASTRO DIGITAL CAI OP APX	\$515.00	\$412.00	\$1,648.00
1d	4	G442AJ	ADD: APX O5 CONTROL HEAD	\$432.00	\$345.60	\$1,382.40
1e	4	G444AF	ADD: CONTROL HEAD SOFTWARE	-	-	-
1f	4	G851AG	ADD: AES/DES-XL/DES-OFB ENCRYPTION	\$799.00	\$639.20	\$2,556.80
1g	4	QA01749AB	ADD: ADVANCED SYSTEM KEY - SOFTWARE KEY	-	-	-
1h	4	W969BG	ADD: MULTIPLE KEY ENCRYPTION OPERATION	\$330.00	\$264.00	\$1,056.00
1i	4	G831AD	ADD: SPKR 13W WATER RESISTANT	\$60.00	\$48.00	\$192.00
1j	4	G174AD	ADD: ANT 3DB LOW-PROFILE 762-870	\$43.00	\$34.40	\$137.60
1k	4	G361AH	ADD: P25 TRUNKING SOFTWARE	\$300.00	\$240.00	\$960.00
1l	4	G51AU	ENH: SMARTZONE OPERATION APX6500	\$1,200.00	\$960.00	\$3,840.00
1m	4	GA00580AA	ADD: TDMA OPERATION	\$400.00	\$320.00	\$1,280.00
1n	4	GA01771AB	ENH: ENHANCEMENT LEVEL 2	\$200.00	\$160.00	\$640.00
2	1	M25URS9PW1AN	APX6500 7/800 MHZ MID POWER MOBILE	\$1,899.00	\$1,519.20	\$1,519.20
2a	1	G806BE	ENH: ASTRO DIGITAL CAI OP APX	\$515.00	\$412.00	\$412.00
2b	1	G142AD	ADD: NO SPEAKER NEEDED	-	-	-
2c	1	W382AM	ADD: CONTROL STATION DESK GCAI MIC	\$169.00	\$135.20	\$135.20
2d	1	G174AD	ADD: ANT 3DB LOW-PROFILE 762-870	\$43.00	\$34.40	\$34.40
2e	1	G361AH	ADD: P25 TRUNKING SOFTWARE	\$300.00	\$240.00	\$240.00
2f	1	G51AU	ENH: SMARTZONE OPERATION APX6500	\$1,200.00	\$960.00	\$960.00
2g	1	GA00580AA	ADD: TDMA OPERATION	\$400.00	\$320.00	\$320.00
2h	1	GA01771AB	ENH: ENHANCEMENT LEVEL 2	\$200.00	\$160.00	\$160.00
2i	1	G851AG	ADD: AES/DES-XL/DES-OFB ENCRYPTION	\$799.00	\$639.20	\$639.20
2j	1	QA01749AB	ADD: ADVANCED SYSTEM KEY - SOFTWARE KEY	-	-	-
2k	1	W969BG	ADD: MULTIPLE KEY ENCRYPTION OPERATION	\$330.00	\$264.00	\$264.00
2l	1	G442AJ	ADD: APX O5 CONTROL HEAD	\$432.00	\$345.60	\$345.60
2m	1	G444AF	ADD: CONTROL HEAD SOFTWARE	-	-	-

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
2n	1	G66AM	ADD: DASH MOUNT 05	\$125.00	\$100.00	\$100.00
2o	1	G91AE	ADD: CONTROL STATION POWER SUPPLY	\$269.00	\$215.20	\$215.20
2p	1	W665BF	ADD: CONTROL STATION OPERATION	\$70.00	\$56.00	\$56.00
2q	1	GA00268AA	ADD: RFID LABEL	\$15.00	\$12.00	\$12.00

Total Quote in USD

\$26,363.20

Make Purchase Order out to: Motorola Inc. Mike Janson MR0220

7031 Columbia Gateway Drive

Columbia, Maryland 21046

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These terms will prevail over any inconsistent or additional terms on any purchase order submitted by the purchaser.

Pricing is based upon Prince George's County, Maryland (ARO No. C-0891-06) discount levels.
Teltronic Service Provider Vendor Site Code 0219680

Pricing per the Montgomery County Contract # 0344000335-AA

THIS QUOTE IS BASED ON THE FOLLOWING:

1 This quotation is provided to you for information purposes only and is not intended to be an offer or a binding proposal.

If you wish to purchase the quoted products, Motorola Solutions, Inc. ("Motorola") will be pleased to provide you with our standard terms and conditions of sale (which will include the capitalized provisions below), or alternatively, receive your purchase order which will be acknowledged.

Thank you for your consideration of Motorola products.

Expenditure Detail Sheet

Police/Communications Equipment

Category	Equipment	Date Last Modified	February 14, 2011
Department	Police/Communications	Funding Source	Tax-Based/ <i>SafeSpeed</i>
Zone Location	3	Status	Ongoing

EST. EXPENDITURE SCHEDULE (dollars in thousands)

Equipment Type	Total	Est. FY11	Total 6 Years	FY12	FY13	FY14	FY15	FY16	FY17	Beyond 6 Years
Police Radios	117	0	117	50	67	0	0	0	0	0
Bullet proof vests	6.6	1.2	5.4	0	1.2	1.8	1.2	1.2	0	6.4
Mobile Data Terminals	15.2	0	15.2	0	3.8	3.8	3.8	3.8	0	0
Total	138.8	1.2	137.6	50	72	5.6	5	5	0	6.4

EST. FUNDING SCHEDULE (dollars in thousands)

Tax-Based	0.6	0.6	0	0	0	0	0	0	0	0
<i>SafeSpeed</i>	18.2	0	18.2	0	4.4	5	4.4	4.4	0	3.8
Grants/Reimbursements	120	0.6	119.4	50	67.6	0.6	0.6	0.6	0	2.6
Total	138.8	1.2	137.6	50	72	5.6	5	5	0	6.4

EST. OPERATING BUDGET IMPACT (dollars in thousands)

Labor/Maintenance			0	0	0	0	0	0	0	0
Materials/Equipment			0	0	0	0	0	0	0	0
Total			0	0	0	0	0	0	0	0

Description

This equipment will ensure the continuity of operation of Village government while ensuring that the services Village residents have come to rely on such as 24/7 police patrols, house checks, speed and stop sign enforcement. Due to this equipment being used for pedestrian, vehicular and public safety needs a certain percentage of the expenditures would be eligible to be paid out of the *SafeSpeed* revenues.

- Currently, all Police and Fire/Rescue Agencies will possibly be required to switch radio frequencies due to FCC regulations in the next 1-3 years; however, re-banding of current radios is not a feasible long term option. In an effort to ensure that all Police and Fire/Rescue Agencies are operable after the transition Urban Area Security Initiative (UASI) grant will be made available to pay for the transition.
- Due to federal standards bullet proof vest must be replaced every five (5) years.
- As part of regularly schedule phase out as equipment lifespan dictates Police Mobile Data Terminals (MDTs) would be replaced and/or refurbished.

Estimated Schedule

This equipment would be purchased on an as needed basis and as the equipment's lifespan dictated. Due to manufacture standard bullet vests must be replaced every five (5) years.

Cost Change

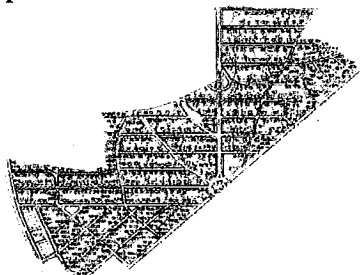
There have been no cost changes.

Justification

This equipment will ensure the continuity of operation of Village government while ensuring that the services Village residents have come to rely on such as 24/7 police patrols, house checks, speed and stop sign enforcement are maintained.

Other Disclosures

None

Coordination Board of Managers Administration/Capital Contracts Police Department Public Safety Committee	Map 
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